

INDIVIDUAL TRAINING STANDARDS

1. General. This enclosure contains all of the ITSs for this OccFld, grouped by MOS. Each MOS is contained in a separate Appendix to Enclosure (6).

2. Format. For each ITS, the following elements of information are provided:

a. TASK. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for the appropriate MOS are designated as "CORE." Those advanced skills that are mission, grade, or billet specific are designated as "CORE PLUS."

b. CONDITION(S). This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

c. STANDARD(S). This portion of the ITS describes the level of proficiency to which the individual must perform the task.

d. PERFORMANCE STEPS. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

e. INITIAL TRAINING SETTING. All ITSs are assigned an initial training setting that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

f. REFERENCE(S). References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

g. TRAINING MATERIEL (Optional). Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard. Mandatory items are preceded by an asterisk(*)

h. AMMUNITION (Optional). This table, if present, depicts the ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

i. DISTANCE LEARNING PRODUCT(S) (Optional). This section includes a list of any currently available or planned DL products designed to provide training related to this task.

j. PERFORMANCE SUPPORT TOOL(S) (Optional). This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

k. ADMINISTRATIVE INSTRUCTIONS (Optional). Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

MOS 0613, CONSTRUCTION WIREMAN

DUTY AREA 01 - CABLE SYSTEM CONSTRUCTION

For a complete MOS 0613 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0613.01.01 (CORE) CONSTRUCT OVERHEAD CABLE SYSTEM

CONDITION(S): Provided tools, equipment, and references.

STANDARD(S): To provide overhead cable for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Set up M-876 telephone maintenance truck for augering.
3. Set up M-876 telephone maintenance truck for overhead work.
4. Set poles, as required.
5. Install down guys and span guys for pole support.
6. Install messenger supporting hardware on poles and buildings.
7. Install messenger for cable support.
8. Lash commercial cable to messenger.
9. Lay/Connect cable.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement
2. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Field Cable
2. M-876 Telephone Maintenance Truck

TASK: 0613.01.02 (CORE) CLIMB/DESCEND UNSTEPPED POLE

CONDITION(S): Provided appropriate tools, safety equipment, pole, and the reference.

STANDARD(S): To safely complete construction of overhead cable, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Ensure equipment is SL-3 complete.
3. Select correct gaffs for pole/tree.
4. Check gaffs for thickness, width, and length with the Buckingham kit gaff gauge.
5. Adjust LC-240.
6. Inspect pole for soundness, and inspect tree for firmness and thickness of bark.
7. Climb pole/tree, carefully setting each gaff before disengaging the other one, locking the stationary leg.
8. Look up to avoid obstructions when climbing.
9. Fasten safety strap at the top of climb at least 12 inches down from top of tree/pole.
10. Unfasten safety strap.
11. Descend pole carefully setting each gaff before engaging the other one.
12. Look down to avoid obstructions/objects while descending.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 24-20, Tactical Wire and Cable Techniques

TRAINING MATERIEL:

1. LC-10
2. LC-23 Cable Lashing Machine
3. LC-240 Climber Set

ADMINISTRATIVE INSTRUCTIONS: For safety purposes the Marines must have gloves, LC-10, and safety strap LC-23.

TASK: 0613.01.03 (CORE) PACK COMMERCIAL CABLES IN MANHOLES

CONDITION(S): Provided a manhole, commercial cables, tools, equipment, and reference.

STANDARD(S): To prepare commercial cables for use, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Identify manhole.
3. Send cable into manhole.
4. Pack cable along side of underground system.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

TRAINING MATERIEL:

1. Cables
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TASK: 0613.01.04 (CORE) BURY CABLE

CONDITION(S): Provided cable plow/ditch witch, cable on a reel, and references.

STANDARD(S): To prepare cable for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Select route for cable.
3. Connect plow to vehicle.
4. Determine correct depth according to traffic areas and soil composition.
5. Lead cable through plow.
6. Dig trench with plow.
7. Ensure cable feeds smoothly.
8. Ensure plow buries cable properly.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement
 2. TM 10050A-14, Ditch Witch Model 2300
 3. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW
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TASK: 0613.01.05 (CORE) CONSTRUCT SURFACE MOUNTED CONDUIT SYSTEMS

CONDITION(S): Provided conduit system, tools, and reference.

4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TASK: 0613.01.07 (CORE PLUS) PLAN A COMMERCIAL CABLE SYSTEM

CONDITION(S): Provided mission, local Standing Operating Procedure (SOP), Commander's guidance, and references.

STANDARD(S): To ensure a reliable and flexible cable system, per the references.

PERFORMANCE STEPS:

1. Conduct map and physical reconnaissance.
2. Determine cable routes.
3. Determine pole requirements.
4. Determine personnel requirements.
5. Draft the plan complete with line route map.
6. Submit plan for review.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. SOP, UNIT
 2. MCWP 3-1, Ground Combat Operations
 3. MCWP 6-22, Communication and Information Systems
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TASK: 0613.01.08 (CORE PLUS) RECOVER COMMERCIAL CABLE

CONDITION(S): Provided commercial cable, cable trailer, tools, vehicle, and references.

STANDARD(S): To ensure cable is recovered in a serviceable condition, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Identify cable start point.
3. Attach cable to reel.
4. Detach cable from supports.
5. Reel in cable.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: LCpl

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement
2. FM 24-20, Tactical Wire and Cable Techniques
3. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Cable Reels
2. Field Cable
3. Tools, as applicable
4. Vehicle

TASK: 0613.01.09 (CORE PLUS) DIRECT CONSTRUCTION OF OVERHEAD CABLE SYSTEM

CONDITION(S): Provided Annex K, complete with cable plan, personnel, tools, equipment, and references.

STANDARD(S): To ensure safety and adherence to cable plan, per the references.

PERFORMANCE STEPS:

1. Ensure all safety precautions.
2. Set-up M-876 telephone maintenance truck for augering.
3. Set-up M-876 telephone maintenance truck for overhead work.
4. Install down guys and span guys for pole support.
5. Install messenger supporting hardware on poles and buildings.
6. Install messenger for cable support.
7. Lash commercial cable to messenger.
8. Install suspension span.
9. Lay/Connect cable.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement
2. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Field Cable
 2. M-876 Telephone Maintenance Truck
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TASK: 0613.01.10 (CORE PLUS) CLEAR BLOCKED CONDUITS USING ROD KITS AND REAMERS

CONDITION(S): Provided blocked conduit, rod kit, reamers, and reference.

STANDARD(S): To enable use of conduit, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety requirements.
2. Locate blocked conduit.
3. Clear block with rod kit and reamer.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

DUTY AREA 02 - EQUIPMENT OPERATION

TASK: 0613.02.01 (CORE) INSTALL DOWN GUY-WIRES AND SPAN GUY -WIRES FOR POLE SUPPORT

CONDITION(S): Provided down guys, span guys, poles, hardware, tools, and references.

STANDARD(S): To ensure pole is safe and effective for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Locate pole for down and span guys.
3. Determine amount of guy support needed.
4. Install down guy-wires and span guy-wires on pole.
5. Adjust guy-wire tension after cable installation.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. FM 11-372-2, Outside Plant Cable Placement
3. FM 24-20, Tactical Wire and Cable Techniques
4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GWV

TASK: 0613.02.02 (CORE) INSTALL CONDUIT UNDER OBSTRUCTIONS USING MOLE BORING MACHINE

CONDITION(S): Provided a mole boring machine, drill rods, drill bits, an obstacle, and references.

STANDARD(S): To prepare conduit for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Determine depth of obstruction.
3. Install drill rod or drill bit to mole boring machine.
4. Drill under obstruction.
5. Install conduit.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. FM 11-372-2, Outside Plant Cable Placement
3. FM 24-20, Tactical Wire and Cable Techniques
4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TASK: 0613.02.03 (CORE PLUS) LOAD/UNLOAD COMMERCIAL CABLE REELS ON K-37 CABLE/POLE TRAILER

CONDITION(S): Provided K-37 trailer, cable reels, tools, and reference.

STANDARD(S): To ensure cable is loaded/unloaded correctly, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Identify reels to be loaded.
3. Check equipment for serviceability.
4. Load trailer per the reference.
5. Stay within allowable weight limit.
6. Tie down load after trailer is loaded.
7. Unload trailer.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

TRAINING MATERIEL:

1. Cable Reels
2. K-37 Trailer
3. Tools, as applicable

TASK: 0613.02.04 (CORE PLUS) LOAD/UNLOAD POLES ON K-37 CABLE/POLE TRAILER

CONDITION(S): Provided truck, poles, necessary safety equipment, and references.

STANDARD(S): To ensure poles are loaded/unloaded correctly, per the references.

PERFORMANCE STEPS:

1. Ensure safety of equipment.
2. Assist in leveling of truck.
3. Identify poles to be loaded.
4. Load poles on K-37 cable pole trailer using the king pole method.
5. Stay within allowable height/weight limit.
6. Unload poles in reverse order.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement
2. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. K-37 Trailer
2. M-876 Telephone Maintenance Truck

TASK: 0613.02.05 (CORE PLUS) LASH COMMERCIAL CABLE TO MESSENGER USING LC-231 LASHING MACHINE, CABLE GUIDE, AND CABLE SUPPORT

CONDITION(S): Provided messenger, LC-231, cable guide, cable support, tools, and reference.

STANDARD(S): To ensure cable is secure, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety requirements.
2. Connect LC-231 to messenger.
3. Connect cable guide and cable support.
4. Pull LC-231 down commercial cable.
5. Ensure LC-231 is lashed properly.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Cable Guide
2. Cable Support
3. LC-231/FT Cable Lashing Machine
4. Messenger
5. Tools, as applicable

TASK: 0613.02.06 (CORE PLUS) SET POLES USING M-876 TELEPHONE MAINTENANCE TRUCK

CONDITION(S): Provided poles, maintenance truck, and reference.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Level the truck.
3. Dig hole.
4. Connect cable to pole.
5. Raise pole.
6. Set pole in hole.
7. Back fill hole.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. M-876 Telephone Maintenance Truck
2. Poles

TASK: 0613.02.07 (CORE PLUS) CUT ASPHALT AND CONCRETE USING PIONJAR

CONDITION(S): Provided a pionjar, cutting blades, chalk, section of asphalt or concrete, and references.

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STANDARD(S): To ensure asphalt/concrete is cut correctly and safely, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Ensure continuous supply of water while cutting.
3. Install cutting blades on pionjar.
4. Mark area to be cut using chalk.
5. Cut asphalt or concrete.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. FM 11-372-2, Outside Plant Cable Placement
3. FM 24-20, Tactical Wire and Cable Techniques
4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Chalk
2. Cutting Blades
3. Pionjar

TASK: 0613.02.08 (CORE PLUS) CUT TELEPHONE POLES USING CHAIN SAW

CONDITION(S): Provided M-876 truck, chain saws, winch equipment for removing hardware, pole to be removed, and references.

STANDARD(S): To ensure pole is correctly and safely removed, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Remove all cable and hardware from pole.
3. Attach winch line to balance point on pole.
4. Cut pole using chain saw.
5. Place pole on trailer using winch.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

Appendix C to
ENCLOSURE (6)

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. FM 11-372-2, Outside Plant Cable Placement
3. FM 24-20, Tactical Wire and Cable Techniques
4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Chainsaw
2. Field Cable
3. M-876 Telephone Maintenance Truck
4. Winch Equipment

TASK: 0613.02.09 (CORE PLUS) SUPERVISE THE OPERATION OF K-37 CABLE/POLE TRAILER

CONDITION(S): Provided K-37 trailer, cable reels, telephone poles, personnel, tools, and reference.

STANDARD(S): To ensure trailer is loaded correctly and safely, per the reference.

PERFORMANCE STEPS:

1. Enforce all safety precautions.
2. Assign tasks.
3. Inspect equipment.
4. Direct efforts of personnel to ensure correct loading.
5. Load cables in first-in last-out the order.
6. Level the truck.
7. Load poles using the ring pole method.
8. Tie down load after trailer is loaded.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

TRAINING MATERIEL:

1. Cable Reels

2. K-37 Trailer
3. Poles
4. Tools, as applicable

TASK: 0613.02.10 (CORE PLUS) OPERATE M-876 TELEPHONE MAINTENANCE TRUCK UNDER UNUSUAL CONDITIONS

CONDITION(S): Provided M-876, unusual driving conditions, and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Operate the vehicle in extreme cold.
3. Operate the vehicle in snow.
4. Operate the vehicle in dusty, sandy areas.
5. Operate the vehicle under rainy, humid conditions.
6. Operate the vehicle in deep mud.
7. Operate the vehicle in extreme heat.
8. Complete applicable forms.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 55-15, Transportation Reference Data
2. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series
3. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW
4. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

TASK: 0613.02.11 (CORE PLUS) PULL POLES USING M-876 TELEPHONE MAINTENANCE TRUCK

CONDITION(S): Provided poles, maintenance truck, and reference.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Connect chain to poles.
3. Pull pole out of ground.
4. Lay pole on ground or trailer.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TASK: 0613.02.12 (CORE PLUS) POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR AUGERING

CONDITION(S): Provided M-876 truck, personnel, all Stock List-3 (SL-3) equipment, ground area to be augered, and reference.

STANDARD(S): To prepare M-876 for use, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Choose area for augering.
3. Set-up auger.
4. Inspect equipment for proper operation.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. M-876 Telephone Maintenance Truck
2. Tools, as applicable

TASK: 0613.02.13 (CORE PLUS) POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR OVERHEAD WORK

CONDITION(S): Provided M-876 truck, overhead area, personnel, tools, equipment, and reference.

STANDARD(S): To prepare M-876 for use, per the reference.

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PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Move to overhead area to work on.
3. Set-up truck.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0613.03.01 (CORE PLUS) PERFORM CORRECTIVE MAINTENANCE ON FIBER OPTICS CABLE SYSTEMS

CONDITION(S): Provided designated faulty cable, references, and tools.

STANDARD(S): To return faulty cable systems to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Identify cable fault.
3. Evacuate to higher echelon, as required.
4. Open an Equipment Repair Order.
5. Order the necessary repair parts.
6. Splice the fiber optic cable.
7. Install fiber optic splice enclosure.
8. Conduct cable check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 4700-15/1, Equipment Record Procedures
3. TM 4790.2_, MIMMS Field Procedures Manual

TASK: 0613.03.02 (CORE PLUS) PERFORM CORRECTIVE MAINTENANCE ON CABLE SYSTEMS

CONDITION(S): Provided designated faulty cable, references, and tools.

STANDARD(S): To return faulty cable systems to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.
2. Identify cable fault.
3. Evacuate to higher echelon, as required.
4. Open an Equipment Repair Order.

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5. Order the necessary repair parts.
6. Repair cable fault.
7. Conduct operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals
2. TM 4700-15/1, Equipment Record Procedures
3. TM 4790.2_, MIMMS Field Procedures Manual

Appendix C to
ENCLOSURE (6)